

HAMILTON, BROOK, SMITH &amp; REYNOLDS, P.C.

**POWER OF ATTORNEY  
and  
CORRESPONDENCE ADDRESS  
INDICATION FORM**

<i>Application Number</i>	10/523,371
<i>Filing Date</i>	US Nat'l Phase of: PCT/US2004/017251 filed 06-01-2004
<i>First Named Inventor</i>	Jeffrey J. Spiegelman
<i>Confirmation Number</i>	3702
<i>Group Art Unit</i>	
<i>Examiner Name</i>	
<i>Attorney Docket Number</i>	3194.1026-006

<i>Title</i>	METHOD FOR THE REMOVAL OF AIRBORNE MOLECULAR CONTAMINANTS USING OXYGEN AND/OR WATER GAS MIXTURES
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I hereby appoint

Practitioners associated with Customer No. 021005

Practitioner(s) named below:

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as my/our attorneys/agents to prosecute the application identified above, including any continuation or divisional applications thereof, and to transact all business in the United States Patent and Trademark Office connected therewith.

Please recognize or change the correspondence address for the above-identified application to:

Customer Number 021005

Hamilton, Brook, Smith & Reynolds, P.C.

530 Virginia Road

P.O. Box 9133

Concord, Massachusetts 01742-9133

Other \_\_\_\_\_

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Please direct all telephone calls and facsimiles to:

Name Alice O. Carroll, Esq. Tel. No. 978-341-0036 Fax No. 978-341-0136

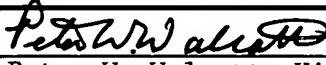
I am the:

Applicant/Inventor.

Authorized representative of the Assignee, Mykrolis Corporation, of the entire interest. See 37 C.F.R. § 3.71. A Statement under 37 C.F.R. § 3.73(b) is enclosed.

Authorized representative of the Assignee, [ ], together with [ ], of the entire interest. A Statement under 37 C.F.R. § 3.73(b) is enclosed.

**SIGNATURE of Applicant or Assignee of Record**

Signature	
Name & Title	Peter W. Walcott, Vice President, General Counsel, Secretary
Date	July 6, 2005

STATEMENT UNDER 37 C.F.R. § 3.73(b)

Inventor(s): Jeffrey J. Spiegelman, Daniel Alvarez, Jr., Russell J. Holmes and Allan Tram

Application No./Patent No.: 10/523,371 Filed/Issue Date: \_\_\_\_\_

For: METHOD FOR THE REMOVAL OF AIRBORNE MOLECULAR CONTAMINANTS USING OXYGEN AND/OR WATER GAS MIXTURES

Mykrolis Corporation, a corporation  
(Name of Assignee) Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is

- A.  the assignee of the entire right, title and interest in the patent application identified above; or
- B.  an assignee together with  of the entire right, title and interest in the patent application identified above.

The right, title and interest of the above-named assignee in the patent application identified above is established by virtue of:

- A.  An assignment from the inventor(s) of the patent application identified above. The assignment was recorded in the Patent and Trademark Office at Reel , Frame , or a copy thereof is attached.

OR

- B.  A chain of title from the inventor(s) of the patent application identified above, to the current assignee as shown below:

1. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or a copy thereof is attached.
2. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or a copy thereof is attached.
3. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or a copy thereof is attached.

Additional documents in the chain of title are listed on a supplemental sheet.

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

Signature Peter W. Walcott

Name: Peter W. Walcott

Title: Vice President, General Counsel, Secretary

Date: July 6, 2005

# COPY

Docket No. 3194

Joint

## ASSIGNMENT

WHEREAS, we, Jeffrey J. Spiegelman, Daniel Alvarez, Jr., Russell J. Holmes and Allan Tram, have invented a certain improvement in Method for the Removal of Airborne Molecular Contaminants Using Oxygen and/or Water Gas Mixtures described in an application for Patent,

- [ ] the specification of which is about to be filed in the United States Patent Office (*use for utility (37 CFR § 1.53(b)) and design filings only*);
- [ ] is about to be filed in the United States Patent Office as a Provisional Application;
- [ ] the specification of which is United States Application No. [ ], filed [ ];
- [ X ] the specification of which is a Patent Cooperation Treaty Application, International Application No. PCT/US2004/017251, filed June 1, 2004, which designates the United States of America and assigned United States Application No. 10/523,371;
- [ ] which was patented under United States Patent No. [ ].

WHEREAS, Mykrolis Corporation (hereinafter "ASSIGNEE"), a corporation organized and existing under the laws of the State of Delaware, and having a usual place of business at 129 Concord Road, Billerica, Massachusetts 01821-7036 desires to acquire an interest therein in accordance with agreements duly entered into with us;

NOW, THEREFORE, to all whom it may concern be it known that for and in consideration of said agreements and of other good and valuable consideration, the receipt of which is hereby acknowledged, we have sold, assigned and transferred and by these presents do hereby sell, assign and transfer unto said ASSIGNEE, its successors, assigns and legal representatives, the entire right, title and interest in and throughout the United States of America, its territories and all foreign countries, in and to said invention as described in said application, together with the entire right, title and interest in and to said application and such Letters Patent as may issue on said invention; said invention, application and Letters Patent to be held and enjoyed by said ASSIGNEE for its own use and behalf and for its successors, assigns and legal representatives, to the full end of the term for which said Letters Patent may be granted as fully and entirely as the same would have been held by us had this assignment and sale not been made; we hereby convey all rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of industrial property by filing any such applications for Letters Patent. We hereby acknowledge that this assignment, being of the entire right, title and interest in and to said invention, carries with it the right in ASSIGNEE to apply for and obtain from competent authorities in all countries of the world any and all Letters Patent by attorneys and agents of ASSIGNEE's selection and the right to procure the grant of all such Letters Patent to ASSIGNEE for its own name as assignee of the entire right, title and interest therein; I hereby expressly authorize the filing of an International Patent Application under the Patent Cooperation Treaty which corresponds to and claims the priority of the above-identified application;

AND, we hereby further agree for ourselves and our executors and administrators to execute upon request any other lawful documents and likewise to perform any other lawful acts which may be deemed necessary to secure fully the aforesaid invention to said ASSIGNEE, its successors, assigns and legal representatives, but at its or their expense and charges, including the execution of applications for patents in foreign countries, and the execution of any future applications including substitution, reissue, divisional or continuation applications, and preliminary or other statements and the giving of testimony in any interference or other proceeding in which said invention or any application or patent directed thereto may be involved;

AND, we do hereby authorize and request each Patent Office and the Commissioner of Patents of the United States to issue such Letters Patent as shall be granted upon said invention to said ASSIGNEE, its successors, assigns, and legal representatives.

IN TESTIMONY WHEREOF, we have hereunto set our hands and affixed our seals the date set forth below.

Inventor's Signature:



Jeffrey J. Spiegelman

State/Commonwealth

of California

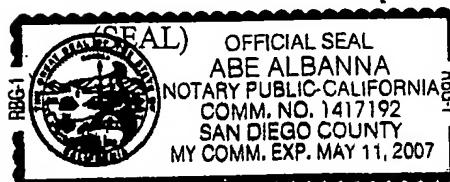
County of San Diego

On this 31 day of May, 2005, before me, the undersigned notary public, personally appeared Jeffrey J. Spiegelman,

personally known to me, or

proved to me through satisfactory evidence of identification, which was  
CAD# N8420395

to be the person whose name was signed on the foregoing instrument in my presence, and acknowledged that he/she signed the foregoing instrument as his/her free act and deed.



ABE ALBANNA Notary Public  
Abe Albanna (print name)  
My Commission expires 05/11/2007

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Inventor's Signature: \_\_\_\_\_

**Daniel Alvarez, Jr.**

State/Commonwealth

of \_\_\_\_\_

County of \_\_\_\_\_

On this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_\_, before me, the undersigned notary public, personally appeared **Daniel Alvarez, Jr.**,

personally known to me, or

proved to me through satisfactory evidence of identification, which was \_\_\_\_\_

to be the person whose name was signed on the foregoing instrument in my presence, and acknowledged that he/she signed the foregoing instrument as his/her free act and deed.

(SEAL) \_\_\_\_\_

Notary Public

(print name) \_\_\_\_\_

My Commission expires \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_

---

Inventor's Signature: \_\_\_\_\_

**Russell J. Holmes**

State/Commonwealth

of \_\_\_\_\_

County of \_\_\_\_\_

On this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_\_, before me, the undersigned notary public, personally appeared **Russell J. Holmes**,

personally known to me, or

proved to me through satisfactory evidence of identification, which was \_\_\_\_\_

to be the person whose name was signed on the foregoing instrument in my presence, and acknowledged that he/she signed the foregoing instrument as his/her free act and deed.

(SEAL) \_\_\_\_\_

Notary Public

(print name) \_\_\_\_\_

My Commission expires \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_

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Inventor's Signature: \_\_\_\_\_

**Allan Tram**

State/Commonwealth

of \_\_\_\_\_

County of \_\_\_\_\_

On this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_\_, before me, the undersigned notary public, personally appeared Allan Tram,

personally known to me, or

proved to me through satisfactory evidence of identification, which was \_\_\_\_\_

to be the person whose name was signed on the foregoing instrument in my presence, and acknowledged that he/she signed the foregoing instrument as his/her free act and deed.

(SEAL) \_\_\_\_\_

Notary Public

(print name) \_\_\_\_\_

My Commission expires \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_

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Docket No. 3194

Joint

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- [ ] the specification of which is about to be filed in the United States Patent Office (*use for utility (37 CFR § 1.53(b)) and design filings only*);
- [ ] is about to be filed in the United States Patent Office as a Provisional Application;
- [ ] the specification of which is United States Application No. [ ], filed [ ];
- [ X ] the specification of which is a Patent Cooperation Treaty Application, International Application No. PCT/US2004/017251, filed **June 1, 2004**, which designates the United States of America and assigned United States Application No. 10/523,371;
- [ ] which was patented under United States Patent No. [ ].

WHEREAS, Mykrolis Corporation (hereinafter "ASSIGNEE"), a corporation organized and existing under the laws of the State of Delaware, and having a usual place of business at 129 Concord Road, Billerica, Massachusetts 01821-7036 desires to acquire an interest therein in accordance with agreements duly entered into with us;

NOW, THEREFORE, to all whom it may concern be it known that for and in consideration of said agreements and of other good and valuable consideration, the receipt of which is hereby acknowledged, we have sold, assigned and transferred and by these presents do hereby sell, assign and transfer unto said ASSIGNEE, its successors, assigns and legal representatives, the entire right, title and interest in and throughout the United States of America, its territories and all foreign countries, in and to said invention as described in said application, together with the entire right, title and interest in and to said application and such Letters Patent as may issue on said invention; said invention, application and Letters Patent to be held and enjoyed by said ASSIGNEE for its own use and behalf and for its successors, assigns and legal representatives, to the full end of the term for which said Letters Patent may be granted as fully and entirely as the same would have been held by us had this assignment and sale not been made; we hereby convey all rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of industrial property by filing any such applications for Letters Patent. We hereby acknowledge that this assignment, being of the entire right, title and interest in and to said invention, carries with it the right in ASSIGNEE to apply for and obtain from competent authorities in all countries of the world any and all Letters Patent by attorneys and agents of ASSIGNEE's selection and the right to procure the grant of all such Letters Patent to ASSIGNEE for its own name as assignee of the entire right, title and interest therein; I hereby expressly authorize the filing of an International Patent Application under the Patent Co-operation Treaty which corresponds to and claims the priority of the above-identified application;

AND, we hereby further agree for ourselves and our executors and administrators to execute upon request any other lawful documents and likewise to perform any other lawful acts which may be deemed necessary to secure fully the aforesaid invention to said ASSIGNEE, its successors, assigns and legal representatives, but at its or their expense and charges, including the execution of applications for patents in foreign countries, and the execution of any future applications including substitution, reissue, divisional or continuation applications, and preliminary or other statements and the giving of testimony in any interference or other proceeding in which said invention or any application or patent directed thereto may be involved;

AND, we do hereby authorize and request each Patent Office and the Commissioner of Patents of the United States to issue such Letters Patent as shall be granted upon said invention to said ASSIGNEE, its successors, assigns, and legal representatives.

IN TESTIMONY WHEREOF, we have hereunto set our hands and affixed our seals the date set forth below.

---

Inventor's Signature: \_\_\_\_\_ Jeffrey J. Spiegelman

State/Commonwealth

of \_\_\_\_\_

County of \_\_\_\_\_

On this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_\_, before me, the undersigned notary public, personally appeared Jeffrey J. Spiegelman,

personally known to me, or

proved to me through satisfactory evidence of identification, which was \_\_\_\_\_

to be the person whose name was signed on the foregoing instrument in my presence, and acknowledged that he/she signed the foregoing instrument as his/her free act and deed.

(SEAL)

Notary Public

(print name) \_\_\_\_\_

My Commission expires \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_

---

Inventor's Signature:

*Daniel Alvarez Jr.*  
Daniel Alvarez, Jr.

State/Commonwealth

of California

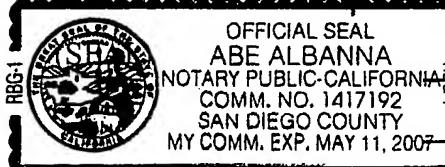
County of San Diego

On this 7th day of June, 2005, before me, the undersigned notary public, personally appeared Daniel Alvarez, Jr.,

personally known to me, or

proved to me through satisfactory evidence of identification, which was  
CAD# N8465933

to be the person whose name was signed on the foregoing instrument in my presence, and acknowledged that he/she signed the foregoing instrument as his/her free act and deed.



OFFICIAL SEAL  
ABE ALBANNA  
NOTARY PUBLIC-CALIFORNIA  
COMM. NO. 1417192  
SAN DIEGO COUNTY  
MY COMM. EXP. MAY 11, 2007

*Abe Albanna* Notary Public  
Abe Albanna (print name)  
My Commission expires 05/11/2007

Inventor's Signature:

*Russell J. Holmes*  
Russell J. Holmes

State/Commonwealth

of California

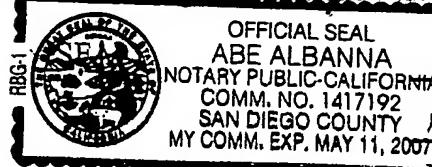
County of San Diego

On this 31 day of May, 2005, before me, the undersigned notary public, personally appeared Russell J. Holmes,

personally known to me, or

proved to me through satisfactory evidence of identification, which was  
CAD# A6440209

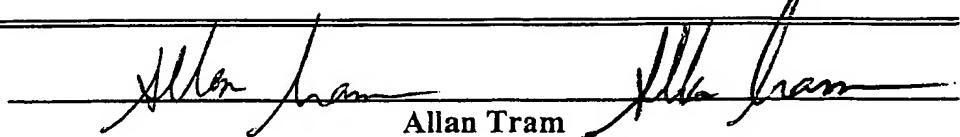
to be the person whose name was signed on the foregoing instrument in my presence, and acknowledged that he/she signed the foregoing instrument as his/her free act and deed.



OFFICIAL SEAL  
ABE ALBANNA  
NOTARY PUBLIC-CALIFORNIA  
COMM. NO. 1417192  
SAN DIEGO COUNTY  
MY COMM. EXP. MAY 11, 2007

*Abe Albanna* Notary Public  
Abe Albanna (print name)  
My Commission expires 05/11/2007

Inventor's Signature:

  
Allan Tram

State/Commonwealth

of California

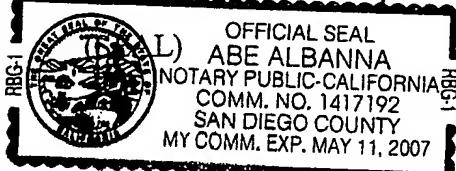
County of San Diego

On this 31 day of May, 2005, before me, the undersigned notary public, personally appeared Allan Tram,

personally known to me, or

proved to me through satisfactory evidence of identification, which was  
CADL # B3221664

to be the person whose name was signed on the foregoing instrument in my presence, and acknowledged that he/she signed the foregoing instrument as his/her free act and deed.



Abe Albanna Notary Public  
Abe Albanna (print name)  
My Commission expires 05/11/2007